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Pigmented Epoxy Mortar

Epoxy Mortar Binder Resin 100% Solids Zero VOC

Epoxy.com Product #24

DESCRIPTION

Pigmented Epoxy Mortar Resin Product #24 is a multipurpose colored epoxy binder for Epoxy Mortar Systems. This all purpose epoxy resin is characterized as an excellent general purpose material with good clarity and color retention. It is essentially odorless and can therefore be used in occupied areas. Pigmented Epoxy Mortar Resin Product #24 is 100% solids and has Zero (0) VOC, so it meets even the strictest low VOC standards.

ADVANTAGES

- Good troweling properties
- Excellent color retention
- Low odor for Good troweling properties
- Excellent color retention

CONSIDERATIONS

- Minimum application temperature of 50°F

(Contact **Epoxy System, Inc.** for Low Temperature Cure)

- Substrate must be free of curing agents and any foreign materials.
- Slight color variation can be expected from batch to batch.
- Pigmented version should not be used as a coating.

COMPOSITION

100% solids amine cured Epoxy Resin and Epoxy Hardener.

APPLICATION

SURFACE PREPARATION

Surface Preparation is the most critical portion to any successful resinous flooring system application. All substrates to receive **Pigmented Epoxy Mortar Resin Product #24** must be properly prepared as outlined in [Epoxy Surface Preparation Procedures](#). Epoxy.com technical service department is pleased to answer any questions.

INSTALLATION

Will vary with application method.



PHYSICAL PROPERTIES

Color	Light Grey, Taupe, Sand, Dark Grey, Old Gold, Slate Blue, Mocha, Colonial Green, Brick Red, Deep Blue, White. Black, Safety Yellow
Gloss, 60°F	85-1 00
Weight/gallon	9.00-9.5mixed
Solids Content	100%
Mix Ratio	4A to I B by volume
Pot Life	30-40minutes @ 70°F

Viscosity	950 cps, mixed approx.
VOC	0
10-20 mil film	10-14 hrs.
Light Traffic	16 hrs.
Ultimate Cure @ 74°F	5 days
Dry Time @ 50°F	14 days



[Click the picture](#) of color card below for a larger version of this picture of the color chart. **Please note:** The picture to the right is a photographic reproduction of the color card for this product. The photo reproduction process and your monitor and/or printer will change these colors. This chart is to give you an idea of the colors available and not intended for critical color selections.

CHEMICAL RESISTANCE

R-Recommended for continuous service. L-Limited recommendation, occasional spills.

REAGENT	RATING	REAGENT	RATING
Acetic Acid-5%	L	Lactic Acid-15%	R
Acetone	L	Methyl Ethyl Ketone	L
Bleach	L	Nitric Acid-10%	R
Citric Acid-30%	R	Skydrol	R
Crude Oil	R	Sodium Hydroxide-50%	R
Diesel Fuel	R	Sulfuric Acid-20%	R
Ethylene Glycol	R	Toluene	R
Fatty Acids	L	Urea	R
Gasoline	R	Vinegar	L
Hydrochloric Acid-15%	R	Xylene	R

PERFORMANCE PROPERTIES

Tensile Strength ASTM-D-638	8500 psi
Elongation ASTM-D-638	5.5%
Adhesion to metal	2500 psi
Adhesion to concrete ACI Committee 403	350 psi (concrete fails)
Hardness ASTM-D-2240	80 (Shore D)
Abrasion Resistance ASTM-C-501	35-40 mg loss

Service Temperature MIL- D-3134F	(CS-17 wheel, 1 kg load, 1000 cycles) 160 F (immersion) 185 F (dry heat)
Impact Resistance MIL-D3134F § 4.7.3	Withstands 16ft/lbs. no cracking, delamination or chipping.
Indentation MIL-D-3134F §4.7.4	Withstands 2,000 lbs./sq. in. for 30 min. without indentation.
Elevated Temperature Resistance MIL-D-31 34F §4 7 5	No slip or flow at required temperatures at 158°F
Water Absorption ASTM-D-670-63 (24. hr. immersion)	0.10% maximum
Flexural Strength ASTM-D-790	8,000 psi
Compressive Strength ASTM-D-695	11,000 psi

Proper mixing and installation is critical to the optimal success of all products. See [Installation Tips](#), [Techdata](#), & [MSDS](#) for more details on our products. Be sure to contact us with any questions and/or concerns that you have.

For more information please contact:

Epoxy.com

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